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**Amendment and Response:**

Applicant: Jenoe Tihanyi

Serial No.: 10/806,938

Filing Date: March 23, 2004

Docket: 1434.105.101/IFT976US

Title: LATERAL FIELD-EFFECT-CONTROLLABLE SEMICONDUCTOR COMPONENT FOR RF APPLICATIONS

**REMARKS**

The following remarks are made in response to the Non-Final Office Action mailed August 2, 2006. Claims 1, 4-13, and 16-20 were rejected. With this Response, claims 1 and 13 have been amended, and claims 21-24 have been added. Claims 1, 4-13, and 16-24 remain pending in the application and are presented for reconsideration and allowance.

**Claim Rejections under 35 U.S.C. § 102**

The Examiner rejected claims 1, 4, 5, 6, 7, 12, 13, 16, 17, and 18 under 35 U.S.C. § 102(b) as being anticipated by the Yasuhara et al. EP Patent No.1073123.

In previous amendments and responses, Applicant amended claims 1 and 13 to include a plurality of auxiliary electrodes arranged at a distance from one another and formed in *pillar-type* fashion. Applicant does not believe that the Yasuhara et al reference anticipates this pillar-type feature, and instead, at most, would illustrate only plate-type structures.

After multiple discussions with the Examiner on this issue, it is believed that the present amendment further clarifies how the pillar-type feature distinguishes over the art of record. Specifically, claim 1 now specifies, *inter alia*, a plurality of auxiliary electrodes arranged at a distance from one another, and each formed in pillar-type fashion such that *each* auxiliary electrode has a length and has a cross-section. The dimensions of the auxiliary electrode in the cross section extend in a lateral plane that is perpendicular to the length. Furthermore, for at least one of the plurality of auxiliary electrodes, there is *no dimension in the lateral plane that extends substantially beyond any other dimension in the lateral plane*. As such, it is now quite clear that the *pillar-type* feature specified in the claims is not taught or suggested by the *plate-type* structures in the Yasuhara et al reference, where the film 14 that has one dimension in the lateral direction (L) that is substantially larger than another dimension (w) in the lateral direction.

Similarly, claim 13 now specifies, *inter alia*, a plurality of auxiliary electrodes arranged at a distance from one another and each auxiliary electrode formed in pillar-type fashion. *Each* electrode has a length and each has dimensions in the lateral directions. *All of the dimensions in the lateral directions are substantially smaller than the length*. Again, it is now quite clear that

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the pillar-type feature specified in the claims is not taught or suggested by the plate-type structures in the Yasuhara et al reference, where the film 14 that has one dimension in the lateral direction (L) that is substantially larger than another dimension (w) in the lateral direction and larger than the "length" (which is the vertical dimension of film 14 illustrated in Figure 2).

Also, added claim 21 specifies, *inter alia*, a plurality of auxiliary electrodes arranged at a distance from one another and each configured in a *substantially cylindrical shape*. As such, it is quite clear that the *cylindrical shape* specified in the claims is not taught or suggested by the *plate-type* structures in the Yasuhara et al reference, where the film 14 that has one dimension in the lateral direction (L) that is substantially larger than another dimension (w) in the lateral direction such that a cylinder structure is not taught or suggested.

Furthermore, the plate-shaped "electrodes" (film 14) of the Yasuhara et al. reference serve for lowering the resistance of the drift region of the semiconductor component (see abstract), while the auxiliary electrodes of the invention serve to reduce the gate-drain-capacitance of the semiconductor component (see page 10, line 14, to page 11, line 2). Thus, the auxiliary electrodes of the present invention and of the Yasuhara et al. reference not only have significant geometrical differences but also have completely different functions.

Therefore, Applicant respectfully requests reconsideration and withdrawal of the 35 U.S.C. § 102(b) rejection to claims 1, 4, 5, 6, 7, 12, 13, 16, 17 and 18, and requests allowance of these claims.

**Claim Rejections under 35 U.S.C. § 103**

The Examiner rejected claims 8, 9, 10, 11, 19, and 20 under 35 U.S.C. § 103(a) as being unpatentable over the Yasuhara et al. EP. Patent No. 1073123 and in further view of the Gajda et al., U.S. Publication 2003/004255.

Since each of these claims depend from claims 1 and 13, which are believed to be allowable as discussed above, they too are in allowable form. Therefore, Applicant respectfully requests reconsideration and withdrawal of the 35 U.S.C. § 103(a) rejection to claims 8, 9, 10, 11, 19, and 20, and request allowance of these claims.

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**RECEIVED  
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In view of the above, Applicant respectfully submits that pending claims 1, 4-13, and 16-24 are in form for allowance and are not taught or suggested by the cited references. Therefore, reconsideration and withdrawal of the rejections and allowance of claims 1, 4-13, and 16-24 are respectfully requested.

No fees are required under 37 C.F.R. 1.16(b)(c). However, if such fees are required, the Patent Office is hereby authorized to charge Deposit Account No. 50-0471.

The Examiner is invited to contact the Applicant's representative at the below-listed telephone numbers to facilitate prosecution of this application.

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Any inquiry regarding this Amendment and Response should be directed to Paul P. Kempf at Telephone No. (612) 767-2502, Facsimile No. (612) 573-2005. In addition, all correspondence should continue to be directed to the following address:

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Respectfully submitted,

Jenoe Tihanyi,

By his attorneys,

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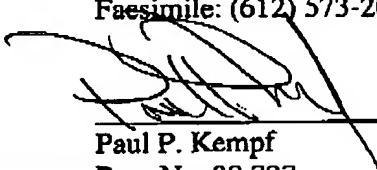
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Paul P. Kempf  
Reg. No. 39,727**CERTIFICATE UNDER 37 C.F.R. 1.8:**

The undersigned hereby certifies that this paper or papers, as described herein, are being transmitted via facsimile to Facsimile No. (571) 273-8100 on this 2nd day of November, 2006

By: 

Name: Paul P. Kempf